

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11)

EP 0 827 031 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
17.06.1998 Bulletin 1998/25

(51) Int Cl.⁶: **G03F 7/038**, B41J 2/16,
G03F 7/032

(43) Date of publication A2:
04.03.1998 Bulletin 1998/10

(21) Application number: **97306208.6**

(22) Date of filing: **15.08.1997**

(84) Designated Contracting States:
**AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
NL PT SE**

• **Fuller, Timothy J.**
Pittsford, NY 14534-4023 (US)

(30) Priority: **29.08.1996 US 705376**

(74) Representative: **Pike, Christopher Gerard et al**
Rank Xerox Ltd.,
Patent Department,
Parkway
Marlow, Buckinghamshire SL7 1YL (GB)

(71) Applicant: **XEROX CORPORATION**
Rochester, New York 14644 (US)

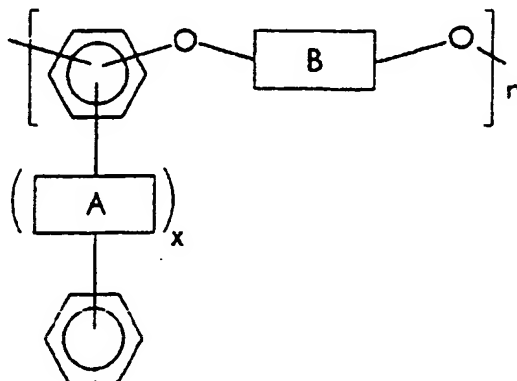
(72) Inventors:
• **Narang, Ram S.**
Fairport, NY 14450 (US)

(54) **Blends containing curable polymers**

(57) Disclosed is a composition which comprises a mixture of (A) a first component comprising a polymer, at least some of the monomer repeat units of which have at least one photosensitivity-imparting group thereon, said polymer having a first degree of photosensitivity-imparting group substitution and being of the general formula



or



wherein x is an integer of 0 or 1, A and B are specified groups, and n is an integer representing the number of repeating

EP 0 827 031 A3

monomer units, and (B) a second component which comprises either (1) a polymer having a second degree of photosensitivity-imparting group substitution or (2) a reactive diluent having at least one photosensitivity-imparting group per molecule and having a fourth degree of photosensitivity-imparting group substitution. Also disclosed is a process for preparing a thermal ink jet printhead with the aforementioned composition.



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 97 30 6208

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	EP 0 663 411 A (NIPPON KAYAKU KABUSHIKI KAISHA) * page 10; examples 4-6 * * page 13; table 1 * ---	1-4,6-9	G03F7/038 B41J2/16 G03F7/032
A	DATABASE WPI Section Ch, Week 8126 Derwent Publications Ltd., London, GB; Class A26, AN 81-46539D XP002063306 & JP 56 050 928 A (TEIJIN LTD) , 8 May 1981 * abstract * -----	1-9	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			G03F B41J
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 24 April 1998	Examiner Dupart, J.-M.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03.92 (P4/C01)

